

Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Please cancel claims 1-22.

23. (NEW) A method for detecting and/or quantifying contaminant host cell proteins in a purified protein sample, the method comprising:
 - a) adding to a purified protein sample,
 - i) a capture reagent comprising anti-host cell protein ("anti-HCP") antibodies, and
 - ii) a detection reagent comprising anti-HCP antibodies; and
 - b) detecting and/or quantifying the host cell protein in the purified protein sample.
24. (NEW) The method of claim 23, wherein the capture reagent and the detection reagent are added simultaneously.
25. (NEW) The method of claim 23, wherein the capture reagent is immobilized.
26. (NEW) The method of claim 25, wherein the capture reagent is immobilized on a bead.
27. (NEW) The method of claim 23, wherein the detection reagent further comprises a detectable moiety.
28. (NEW) The method of claim 23, wherein the detection reagent is detected by adding an antibody that specifically recognizes the detection reagent, wherein said antibody comprises a detectable moiety.
29. (NEW) The method of claim 23, wherein the capture reagent antibodies are affinity purified.
30. (NEW) The method of claim 29, wherein the capture reagent antibodies are affinity purified by:
 - a) preparing an affinity reagent comprising host cell protein isolated from a cell type used to generate the purified protein sample; and
 - b) separating the reagent antibodies from other compounds using said affinity reagent.

31. (NEW) The method of claim 23, wherein the detection reagent comprises:
 - a) purified anti-HCP antibodies from a host animal of the same species as the capture reagent and labeled with a detectable moiety;
 - b) purified anti-HCP antibodies from a different host animal than the capture reagent;
 - c) an anti-HCP IgG fraction from a different host animal than the capture reagent; or
 - d) undiluted, unfractionated serum containing anti-HCP antibodies from a different host animal than that of the capture reagent.
32. (NEW) The method of claim 23, wherein the capture reagent and the detection reagent antibodies are produced by immunizing a single host animal with host cell proteins isolated from a cell type used to generate the purified protein sample.
33. (NEW) The method of claim 23, wherein the capture reagent and the detection reagent anti-HCP antibodies are produced by immunizing two different host animals with host cell proteins isolated from a cell type used to generate the purified protein sample.
34. (NEW) The method of claim 33, wherein the two host animals are of different genera or species.
35. (NEW) A method for detecting and/or quantifying contaminant host cell proteins in a purified protein sample, the method comprising:
 - a) immobilizing a capture reagent comprising anti-HCP antibodies;
 - b) adding to said immobilized capture reagent,
 - i) a purified protein sample; and
 - ii) a detection reagent comprising anti-HCP antibodies
 - c) detecting and/or quantifying the host cell protein in the purified protein sample.
36. (NEW) The method of claim 35, wherein the purified protein sample and the detection reagent are added simultaneously.
37. (NEW) The method of claim 35, wherein the method is an enzyme-linked immunosorbent assay (ELISA).
38. (NEW) The method of claim 35, wherein the capture reagent antibodies are affinity purified.

39. (NEW) The method of claim 35, wherein the detection reagent comprises:
 - a) purified anti-HCP antibodies from a host animal of the same species as the capture reagent and labeled with a detectable moiety;
 - b) purified anti-HCP antibodies from a different host animal than the capture reagent;
 - c) an anti-HCP IgG fraction from a different host animal than the capture reagent; or
 - d) undiluted, unfractionated serum containing anti-HCP antibodies from a different host animal than that of the capture reagent.
40. (NEW) A reagent for use in the method of claim 23 or 35 comprising affinity purified anti-host cell protein antibodies.
41. (NEW) The reagent of claim 40, wherein the anti-HCP antibodies are affinity purified by: preparing an affinity reagent comprising host cell proteins, isolated from a cell type used to generate the protein sample, coupled to a support; and separating anti-host cell antibodies from other compounds using said affinity reagent.
42. (NEW) The reagent of claim 40, wherein the anti-HCP antibody preparation is produced by immunizing an animal with host cell proteins isolated from a cell type used to generate the protein sample, and wherein the anti-HCP antibody preparation is produced by immunizing two different animals.
43. (NEW) The reagent of claim 40, wherein the reagent is a capture reagent.
44. (NEW) The reagent of claim 40, wherein the reagent is a detection reagent.
45. (NEW) The reagent of claim 44, further comprising a detection moiety.
46. (NEW) A kit for detecting and/or quantifying contaminant host cell proteins in a purified protein sample, the kit comprising:
 - a) a capture reagent comprising affinity-purified anti-HCP antibodies; and
 - b) a detection reagent comprising:
 - i) affinity-purified anti-HCP antibodies and a detectable moiety,
 - ii) an unpurified anti-HCP IgG fraction from a different host animal than the capture reagent, or
 - iii) undiluted, unfractionated anti-HCP containing serum from a different host animal than the capture reagent.

47. (NEW) The kit of claim 46, further comprising a labeled antibody that specifically recognizes the detection reagent of (b)(ii) or (b)(iii).
48. (NEW) The kit of claim 46, wherein the capture reagent and detection reagent antibodies are produced by immunizing a single host animal with host cell proteins isolated from a cell type used to generate the purified protein sample.
49. (NEW) The kit of claim 46, wherein the capture reagent and detection reagent antibodies are produced by immunizing different host animals with host cell proteins isolated from a cell type used to generate the purified protein sample.
50. (NEW) The kit of claim 46, wherein the capture reagent is immobilized.
51. (NEW) The kit of claim 46, wherein the kit comprises an enzyme-linked immunosorbent assay (ELISA).
52. (NEW) A single-step ELISA assay for detecting and/or quantifying contaminant host cell proteins in a purified protein sample, the assay comprising:
 - a) immobilizing an affinity purified capture reagent comprising anti-host cell protein antibodies, and
 - b) simultaneously adding to said immobilized capture reagent:
 - i) an affinity purified detection reagent comprising anti-host cell protein antibodies and a detectable moiety; and
 - ii) an aliquot of the purified protein sample; and
 - c) detecting and/or quantifying the host cell protein in the purified protein sample.